

Amendments to the Claims

Claim 1 (Canceled)

Claim 2 (Currently Amended) A three-axis attitude control propulsion device comprising a pressure generating means and two three-way discharge changeover means connected to one end of said pressure generating means, said two three-way discharge changeover means positioned with 180 degrees between each other in a rotational symmetry around a reference of an axis of said pressure generating means,~~The three-axis attitude control propulsion device as claimed in claim 1,~~ wherein one of said two three-way discharge changeover means has three discharge ports, said three discharge ports having openings having orientations including (a) an orientation at a first specific angle, (b) an orientation deviated by 90 degrees counterclockwise from said first specific angle and (c) an orientation deviated by 90 degrees clockwise from said first specific angle, the other of said two three-way discharge changeover means has three discharge ports, said three discharge ports of the other of said two three-way discharge changeover means having openings having orientations including (d) an orientation at a second specific angle that is deviated by 180 degrees from said first specific angle, (e) an orientation deviated by 90 degrees clockwise from said second specific angle and (f) an orientation deviated by 90 degrees counterclockwise from said second specific angle, and said orientation deviated by 90 degrees counterclockwise from said first specific angle and said orientation deviated by 90 degrees clockwise from said second specific angle are parallel to each other.

Claim 3 (Previously Presented) The three-axis attitude control propulsion device as claimed in claim 2, wherein:

said orientation at said first specific angle and said orientation at said second specific angle that is deviated by 180 degrees from said first specific angle are orthogonal to the axis of said pressure generating means; and

all of said orientation at said first specific angle, said orientation deviated by 90 degrees counterclockwise from said first specific angle, said orientation deviated by 90 degrees clockwise from said first specific angle, said orientation at said second specific angle that is

deviated by 180 degrees from said first specific angle, said orientation deviated by 90 degrees clockwise from said second specific angle and said orientation deviated by 90 degrees counterclockwise from said second specific angle are in one plane orthogonal to the axis of said pressure generating means.

Claim 4 (Previously Presented) A three-axis attitude control propulsion device as claimed in Claim 2, wherein both of said two three-way discharge changeover means are three-way discharge changeover valves of a valve plug rotation type in which a valve plug can be rotated.

Claim 5 (Original) A three-axis attitude control propulsion device as claimed in Claim 4, wherein said valve plug is constructed of a carbon material.

Claim 6 (Original) A three-axis attitude control propulsion device as claimed in Claim 5, wherein said carbon material is graphite.

Claim 7 (Canceled)

Claim 8 (Previously Presented) A flying object comprising a three-axis attitude control propulsion device as claimed in claim 2.

Claim 9 (Previously Presented) A flying object comprising a three-axis attitude control propulsion device as claimed in claim 3.

Claim 10 (Previously Presented) A flying object comprising a three-axis attitude control propulsion device as claimed in claim 4.

Claim 11 (Previously Presented) A flying object comprising a three-axis attitude control propulsion device as claimed in claim 5.

Claim 12 **(Previously Presented)** A flying object comprising a three-axis attitude control propulsion device as claimed in claim 6.

Claim 13 **(New)** A three-axis attitude control device comprising:
a motor case operable to generate pressure; and
two three-way discharge changeover valves connected to one end of said motor case, said two three-way discharge valves being positioned with 180 degrees between each other in rotational symmetry around a reference of an axis of said motor case;
wherein one of said two three-way discharge changeover valves has three discharge ports, said three discharge ports having openings having orientations including (a) an orientation at a first specific angle, (b) an orientation deviated by 90 degrees counterclockwise from said first specific angle and (c) an orientation deviated by 90 degrees clockwise from said first specific angle;
wherein the other of said two three-way discharge changeover means has three discharge ports, said three discharge ports of the other of said two three-way discharge changeover values having openings having orientations including (d) an orientation at a second specific angle that is deviated by 180 degrees from said first specific angle, (e) an orientation deviated by 90 degrees clockwise from said second specific angle and (f) an orientation deviated by 90 degrees counterclockwise from said second specific angle; and
wherein said orientation deviated by 90 degrees counterclockwise from said first specific angle and said orientation deviated by 90 degrees clockwise from said second specific angle are parallel to each other.

Claim 14 **(New)** A three-axis attitude control propulsion device as claimed in Claim 13, wherein both of said two three-way discharge changeover valves are of a valve plug rotation type in which a valve plug can be rotated.

Claim 15 **(New)** A three-axis attitude control propulsion device as claimed in Claim 14, wherein said valve plug is constructed of a carbon material.

Claim 16 **(New)** A three-axis attitude control propulsion device as claimed in Claim 15, wherein said carbon material is graphite.

Claim 17 **(New)** A flying object comprising a three-axis attitude control propulsion device as claimed in claim 13.

Claim 18 **(New)** The three-axis attitude control propulsion device as claimed in claim 13, wherein:

said orientation at said first specific angle and said orientation at said second specific angle that is deviated by 180 degrees from said first specific angle are orthogonal to the axis of said motor case; and

all of said orientation at said first specific angle, said orientation deviated by 90 degrees counterclockwise from said first specific angle, said orientation deviated by 90 degrees clockwise from said first specific angle, said orientation at said second specific angle that is deviated by 180 degrees from said first specific angle, said orientation deviated by 90 degrees clockwise from said second specific angle and said orientation deviated by 90 degrees counterclockwise from said second specific angle are in one plane orthogonal to the axis of said motor case.